EESTI STANDARD EVS-HD 21.11 S1:2001

Polüvinüülkloriidisolatsiooniga kaablid nimipingega kuni 450/750 V. Osa 11: Valgustite kaablid

Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V - Part 11: Cables for luminaires

EESTI STANDARDIKESKUS

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-HD 21.11 S1:2001 sisaldab Euroopa standardi HD 21.11 S1:1995 ingliskeelset teksti.	This Estonian standard EVS-HD 21.11 S1:2001 consists of the English text of the European standard HD 21.11 S1:1995.
Käesolev dokument on jõustatud 10.10.2001 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.	This document is endorsed on 10.10.2001 with the notification being published in the official publication of the Estonian national standardisation organisation.
Standard on kättesaadav Eesti standardiorganisatsioonist.	The standard is available from Estonian standardisation organisation.

ICS 29.060.20

HARMONIZATION DOCUMENT **HD 21.11 S1**

DOCUMENT D'HARMONISATION

HARMONISIERUNGSDOKUMENT April 1995

ICS 29.060.20

Descriptors: Electrical installation, insulated conductor, insulated cable, polyvinyl chloride, luminaire, particular specification, insulation, dimension, test

English version

Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V
Part 11: Cables for luminaires

Conducteurs et câbles isolés au polychlorure de vinyle, de tension assignée au plus égale à 450/750 V
Partie 11: Câbles pour luminaires

Polyvinylchlorid-isolierte Leitungen mit Nennspannungen bis 450/750 V
Teil 11: Leitungen für Leuchten

This Harmonization Document was approved by CENELEC on 1995-03-06. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for implementation of this Harmonization Document on a national level.

Up-to-date lists and bibliographical references concerning such national implementation may be obtained on application to the Central Secretariat or to any CENELEC member.

This Harmonization Document exists in three official versions (English, French, German).

CENELEC members are the national electrotechnical committees of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

CENELEC

European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

Central Secretariat: rue de Stassart 35, B - 1050 Brussels

Foreword

HD21 was originally adopted by CENELEC on 9th July 1975.

Edition 2 of HD21 was implemented on 1st January 1984, and at that time contained five parts.

Since 1984, new parts have been published, original parts amended, and in addition HD 505 has superseded HD 385 as the cross-reference for test methods.

This new Part 11 to HD 21 introduces divisible two core cables for Class II luminaires and was approved by TC20 at its Helsinki meeting in May 1994 to go forward to the Formal Voting.

HD 21 now has the following parts:

HD 21.1 S2	-	General requirements
HD 21.2 S2	-	Test methods
HD 21.3 S3	-	Non sheathed cables for fixed wiring
HD 21.4 S3	-	Sheathed cables for fixed wiring
HD 21.5 S3	-	Flexible cables (Cords)
HD 21.6	-	(Spare)
HD 21.7 S2	-	Single core non-sheathed cables for internal wiring (90°C conductor temperature)
HD 21.8 S1	-	Single core non-sheathed cables for decorative chains
HD 21.9 S2	-	Single core non-sheathed cables for installation at low temperatures
HD 21.10 S1	-	Extensible leads
HD 21.11 S1	-	Cables for luminaires
HD 21.12 S1	-	Heat resistant flexible cables (cords)
HD 21.13 S1	-	Oil resistant PVC sheathed cables with two or more conductors

This Harmonization Document was prepared by the Technical Committee CENELEC TC 20, Electric cables.

The text of the draft was submitted to the formal vote and was approved by CENELEC as HD 21.11 S1 on 1995-03-06.

The following dates were fixed:

- latest date by which the existence of the HD has to be announced at national level (doa) 1995-09-01
- latest date by which the HD has to be implemented at national level by publication of a harmonized national standard or by endorsement (dop) 1996-03-01
- latest date by which the national standards conflicting with the HD have to be withdrawn (dow) 1996-03-01

For products which have complied with the relevant national standard before 1996-03-01, as shown by the manufacturer or by a certification body, this previous standard may continue to apply for production until 1997-03-01.

CONTENTS

1. Scope

This Part 11 of the HD details the particular requirements for PVC insulated cables of rated voltages up to U_o/U 300/300V for use indoors as internal wiring or direct supply connection to luminaires.

Each cable shall comply with the appropriate requirements given in Part 1 of this HD and the particular requirements of this Part 11.

2. Normative references

HD 21.11 incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to HD 21.11 only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

HD 383 Conductors of insulated cables (Endorsing IEC 228 and 228A)
HD 405.1 Tests on electric cables under fire conditions. Part 1: Test on a single vertical cable (Endorsing IEC 332-1)
HD 505 Common test methods for insulating and sheathing materials of Electric Cables (Endorsing IEC 811)

3. Divisible, two-layer insulated cables for class II luminaires

3.1 Code designation

H03VH7H-F

3.2 Rated voltage

300/300 V

3.3 Construction

3.3.1 Conductor

Number of conductors: 2.

The conductor shall comply with the requirements given in HD383 for Class 5 conductors.

3.3.2 Insulation - inner layer

The inner layer of insulation shall be polyvinyl chloride compound of the Type TI2 applied around each conductor.

The thickness of the inner layer of insulation shall comply with the specified value given in Table I, column 2 of this Part.